

ER-2 #809 10/31/13

Aircraft: [ER-2 - AFRC #809](#) ([See full schedule](#))

Flight Number: 14-9002

Payload Configuration: HypsIRI - AVIRIS & MASTER plus RSP

Nav Data Collected: Yes

Total Flight Time: 5.2 hours

Comments: Started out the flight with two lines for ACOCO over Monterey Bay and then began the San Francisco Bay HypsIRI box. Flew the Western-most 6 lines of the HypsIRI box due to low sun angles. Postflight analysis showed good data from RSP and AVIRIS, however, MASTER did not record data. The aircraft also returned with "hot" brakes. Due to the brake issue, the aircraft is grounded for installation of a new set of MLG brakes.

Submitted by: Timothy Moes on 11/13/13

Flight Segments:

From:	PMD	To:	PMD
Date:	10/31/13		
Flight Time:	0.8 hours		
Log Number:	142006	PI:	Brian Cairns
Funding Source:	Jared Entin - NASA - SMD - ESD Hydrology Program		
Purpose of Flight:	Science		

From:	PMD	To:	PMD
Date:	10/31/13		
Flight Time:	4.4 hours		
Log Number:	142008	PI:	Robert Green
Funding Source:	Woody Turner - NASA - SMD - ESD Biological Diversity		
Purpose of Flight:	Science		

Flight Hour Summary:

	142006	152013	162018
Flight Hours Approved in SOFRS	20		
Flight Hours Previously Approved		12.3	9.3
Total Used	7.7	3	0
Total Remaining			9.3

152013 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
10/22/14	15-6002	Science	3	3	9.3	

142008 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
10/31/13	14-9002	Science	4.4	4.4	9.5	
11/05/13	14-9003	Science	5.7	10.1	3.8	
11/17/13	14-9005	Science	2.8	12.9	1	

132003 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
04/10/13	13-9037	Science	6.5	6.5	93.5	
04/11/13	13-9036	Science	5.7	12.2	87.8	
04/12/13	13-9039	Science	8.5	20.7	79.3	
04/19/13	13-9040	Science	7.6	28.3	71.7	
05/02/13	13-9041	Science	4.4	32.7	67.3	
05/03/13	13-9042	Science	4.3	37	63	
05/22/13 - 05/23/13	13-6021	Science	7.6	44.6	55.4	

06/01/13	13-6026	Science	1.1	45.7	54.3
06/04/13	13-6027	Science	4.7	50.4	49.6
06/06/13 - 06/07/13	13-6028	Science	6.7	57.1	42.9
06/07/13	13-6029	Science	6.7	63.8	36.2
06/10/13	13-6030	Science	1.5	65.3	34.7
06/26/13	13-6037	Science	4.9	70.2	29.8
09/13/13	13-6045	Science	2.6	72.8	27.2
09/19/13	13-6048	Science	5.7	78.5	21.5
09/24/13	13-6049	Science	7.6	86.1	13.9

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Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

	112005	122003	132003	142008
Flight Hours Approved in SOFRS			100	
Flight Hours Previously Approved				13.9
Total Used	0	0	86.1	12.9
Total Remaining				1

142006 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
10/30/13	14-9001	Science	5	5	15	
10/31/13	14-9002	Science	0.8	5.8	14.2	
04/19/14	14-6035	Science	1.9	7.7	12.3	